

METHOD AND DEVICE FOR IDENTIFYING A BIOLOGICAL SAMPLE

ABSTRACT

5 The method and system for identifying a biological sample generates a data set indicative
of the composition of the biological sample. In a particular example, the data set is DNA
spectrometry data received from a mass spectrometer. The data set is denoised, and a baseline is
deleted. Since possible compositions of the biological sample may be known, expected peak
areas may be determined. Using the expected peak areas, a residual baseline is generated to
10 further correct the data set. Probable peaks are then identifiable in the corrected data set, which
are used to identify the composition of the biological sample. In a disclosed example, statistical
methods are employed to determine the probability that a probable peak is an actual peak, not an
actual peak, or that the data too inconclusive to call.